Infectious Control Construction Precautions

Class		
Class I	1. Execute work by methods to minimize raising dust. (inside and outside)	4. Worker traffic routes should minimize contact with patients.
	2. Immediately replace ceiling tiles removed for inspection.	5. Minimize exposure of patients to construction and maintenance.
	3. Transportation route or storage for clean supplies not near contaminated materials	
Class II	***In Addition to Class I Precautions:***	8. Wet mop area daily & place "tack" mats at all entrances/exits. Refresh tack mats frequently (at least daily).
	1. Consult Infection Control Nurse prior to beginning work.	9. Use HEPA vacuum to capture dust during dust-producing work.
	2. Educate VA staff regarding construction activity.	10. Remove and replace wet ceiling tiles if the porous type.
	3. Block & seal air vents before starting. (1C22 and 1C24)	11. If ceiling tiles are nonporous, remove and clean with hospital approved disinfectant and dry before replacement.
	4. Coordinate air filter maintenance with Operations.	12. Use only designated elevators (e.g. utility) for debris removal.
	5. Contain area to one room with walls from floor to ceiling.	
	6. Close non-access doors and duct tape frames and doors.	
	7. Transport debris in covered containers that are wiped down.	
Class III	***In Addition to Class I and II Precautions Above:***	
	1. Consult Infection Control Nurse prior to beginning work.	***Prior to Patient Occupancy:***
	2. Install dust partitions (including work in ceilings) prior to start. Partitions must be well-sealed from floor to ceiling. (Solid Wall)	Water lines flushed at site & adjacent areas.
	3. Remove dust partitions carefully to minimize spread of dust & dirt.	Vent system cleaned & balanced after completion of construction.
	4. Mist debris-removal chutes & dumpsters.	Construction area thoroughly wet mopped and disinfected.
	5. Assure adjacent air filtering systems are functioning.	Check room temperatures and adjust if needed.
	6. Maintain negative pressure in construction area.	
Class IV	***In Addition to Class I, II, and III Precautions Above:***	
	1. Consult Infection Control Nurse	
	2. Relocate patients to area remote from construction area.	

Infection Control Risk Assessment for Construction

Project Name / EWO Description: Renovate Information Technology Closets **Project # / EWO #** 660-11-113
Location of Activity: Site **Start Date:** **Estimated Duration:**
Project Manager: **Contractor:** **ICN: Susan O'Connor - Wright**
Project Manager Phone #: **Contractor Phone #:** **ICN Phone #: ext. 1708**

STEP #1: Select Risk Group Below and Mark Bottom of Column

A) INFECTION CONTROL RISK GROUPS

Group 0	Group 1	Group 2 - Medium Risk		Group 3 - Medium High Risk
Lowest Risk Nonmedical associated spaces (no patient activity)	**Low Risk** Office Areas (associated with patient activity)	Laboratories	Imaging	Emergency Room (ECU)
		3 West	Laundry	Post Anesthesia Care
		Acute Medicine (2 East, 2 North)	Nuclear Medicine	All ICUs
		B.2	Out Patient Clinics	
		B.3 Inpatient Mental Health Ward	Out Patient Surgery	**Group 4 - Highest Risk**
		Canteen Kitchen	Patient Kitchen & Dining	All OR's
		Cardiology	Pharmacy (In & Out Patient)	Sterile Processing
		Decontamination	PT / OT	Ambulatory Medicine Unit (2 West)
		Dental	Public Corridor (patient activity)	Cardiac Cath/Angiography
		Distribution	Pulmonary / Bronchoscopy	Dialysis Unit
		G.I. Lab	Telemetry	Pharmacy IV Prep (Inpatient)
		Hoptel		

STEP #2: Select Activity Type Below:

B) CONSTRUCTION ACTIVITY TYPES:

Type A Inspection and Non-Invasive Activities, includes but is not limited to, manipulation of ceiling tiles, painting (but not sanding), wallcovering, electrical trim work, minor plumbing, installation of telephone and computer cabling, and activities which do not (1) generate dust or (2) require cutting of walls.

Type B Small scale, short duration activities which create minimal dust. Includes, but is not limited to, (1) access to chase spaces, (2) cutting of walls or ceilings, where dust migration can be controlled.

Type C Any work which generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies. Includes, but is not limited to, (1) sanding of walls for painting or wall covering, (2) removal of floorcoverings, (3) multiple ceiling panels and (4) casework, (5) new wall construction, (6) minor duct work or (7) electrical work above ceilings, (8) major cabling activities, and (9) any activity which can be contained within a single workshift.

Type D Major demolition and construction projects. Includes, but is not limited to, (1) activities which require consecutive work shifts, (2) requires heavy demolition or, (3) removal of complete cabling system, (4) new construction. (5) any activity which cannot be contained within a single work shift.

STEP 3: Determine Class of Precautions Using Matrix Below:

CONSTRUCTION ACTIVITY/INFECTION CONTROL MATRIX TO DETERMINE CLASS

** ICN must be consulted when the assessment indicates that Class II, III, or IV precautions are required.

Construction Activity Type

Risk Level	Type "A"	Type "B"	Type "C"	Type"D"
Group 0	Refer to OSHA Requirements	Refer to OSHA Requirements	II	II
Group 1	I	I	II	III
Group 2	I	II	III	IV
Group 3	I	II	III / IV	IV
Group 4	II	III	III / IV	IV

INTERIM LIFE SAFETY MEASURES ASSESSMENT

Project Name and Number: Renovate Information Technology Closets 660-11-113	YES/NO	A) Notify Emergency Forces / Implement Fire Watch	B) Post signage identifying location of alternate exits.	C) Special measures	D) Inspect exits in affected area daily	E) Ensure fire alarm and detection systems or equivalent	F) Additional fire-fighting equipment	G) Temporary construction barriers	H) Hazard surveillance of bldgs., grounds, equipment	I) Enforce storage, hskping, and debris removal	J) Additional training on use of fire-fighting equipment.	K) Conducting 1 Additional Fire Drills Per Shift in Area	L) Inspect, Test, Document temporary systems monthly.	M) Education of bldg. defs.., construction hazards, ILSMs.	N) Training for impaired structural or compartmental fire safety features..
Patient room door latching problem	NO														
Lacking a code complying fire or smoke barrier	NO														
Fire exit stairs discharge improperly	NO														
Excessive travel distance to an approved exit	NO														
Lack of two remote exits	NO														
Nonconforming building construction type	NO														
Improperly protected vertical openings	NO														
Large penetrations in fire or smoke barriers	NO														
Corridor walls do not extend to the structure (or to drop ceiling smoke seal)	NO														
Hazardous areas not properly protected	NO														
Blocking off an approved exit	NO														
Rerouting emergency room traffic	NO														
Major renovation of an occupied floor	YES	X	X		X	X		X		X	X	X	X	X	X
Replacing fire alarm system (out of service) > 4 hrs. / 24 hr. period	NO														
Installing a sprinkler system (out of service) > 4 hrs. / 24 hr. period	NO														
Significantly modifying smoke or fire barrier walls	NO														
Adding an addition to an existing structure	YES	X	X		X	X		X		X	X	X	X	X	X
Taking a fire alarm system off-line	NO														
Taking a sprinkler system off-line	NO														
Disconnecting alarm devices	NO														
Other															
Additional Assessment Notes :															

Assessment Performed by: T. HENARD - SPECTRUM ENGINEERS Date: 2012-01-24

Safety Officer Review: Date:

Construction Safety Risk Assessment Checklist, VA Salt Lake City Healthcare System

Project Name: Renovate Information Technology Closets **Hazard Likelihood:** **High: 76% - 100%**
Project Number: 660-11-113 **Medium: 51% - 75%**
Date: **9/5/2012** **Low: 0% - 50%**
Project Manager:

Identify Hazards	Evaluator	Is Hazard Likely? H-M-L	Severity H-M-L	Mitigation Needed? Y/N	Mitigation Strategies	Mitigation Strategies Implemented?	Comments
Hazard Communication		L	L	Y	MSDS required to be maintained on site by contractor		
Respiratory Protection		L	L	Y	respiratory protection required when air debris present		
Personal Protective Equipment		M	M	Y	hearing protection Steel toed boots, clothing when required.		
Fire Protection		L	L	Y	contractor required to follow VA hot work permit procedure& VA Interim Life Safety Measure		
Traffic Control & Site Security		L	L	Y	Work affecting traffic flow or site security must be coordinated with VA		
Wire Rope and Rigging Equipment		M	M	Y	OSHA Procedure to be followed		
Demolition		M	M	Y	Any work causing noise or vibration to interior Of Medical Center must be coordinated with VA		
Hand and Power Tools		L	M	Y	OSHA Procedure to be followed		
Electrical		L	L	Y	All hot work on electrical systems must receive prior approval by VA		
Lockout / Tagout		L	L	Y	Lockout tagout procedure required in contractor submitted Safety plan (pre-construction)		
Welding and Cutting		L	L	Y	VA signed hot work permit required to be obtained by contractor		
Confined Spaces		L	L	Y	OSHA Procedures & VA Confined Space Policy must be followed		
Tunnels and Shafts		L	L	Y	OSHA Procedures & VA Confined Space Policy must be followed		
Identify Hazards	**Evaluator**	**Is Hazard Likely? H-M-L**	**Severity H-M-L**	**Mitigation Needed? Y/N**	**Mitigation Strategies**	**Mitigation Strategies Implemented?**	**Comments**
Process Safety Management - Piping Systems		L	L	Y	Coordination with VA for affects on existing systems		
Cranes and Hoists		M	H	Y	Rigging Plan to be approved by VA. Preventative maintenance logs required on site		
Steel Erection		M	H	Y	OSHA procedure to be followed		
Fall Protection		H	H	Y	OSHA procedure to be followed		
Scaffolds		M	M	Y	OSHA procedure to be followed		
Ladders		M	M	Y	OSHA procedure to be followed		
Trenching and Excavation		M	M	Y	OSHA procedure to be followed		
Motor Vehicles, Earthmoving, and Mechanized Equipment		M	L	Y	Preventative maintenance logs required on site		
Concrete and Masonry		M	M	Y	OSHA procedure to be followed		
Lead, Asbestos, and Silica		L	L	Y	Coordination with VA required to identify all accessible suspect ACM building materials in affected facility where demolition will occur		
Utility Interruptions		L	L	Y	Must receive approval from VA		
Dust		L	L	Y	respiratory protection required when air debris present. Dust partitions must be utilized as needed		
Moisture/Water Leaks		L	L	Y	Notification to VA required for all moisture/Water leaks		
Vapors/Fumes		L	L	Y	Anything that may introduce vapor fumes to interior of Medical Center must be coordinated with VA prior to commencement		
Noise		M	L	Y	Any work causing noise to interior Of Medical Center must be coordinated with VA		
Identify Hazards	**Evaluator**	**Is Hazard Likely? H-M-L**	**Severity H-M-L**	**Mitigation Needed? Y/N**	**Mitigation Strategies**	**Mitigation Strategies Implemented?**	**Comments**
Vibration		L	L	Y	Any work causing vibration to interior Of Medical Center must be coordinated with VA		
Open Outside Walls		L	M	N	All site security deficiencies that may be introduced must be coordinated with VA		
Impact to Levels Above and Below		L	M	Y	Coordinate with VA prior to impact to facility		
Proximity of Air Intakes		M	M	Y	Relocation of Intake		
Pest Control within Construction Area		L	L	Y	Pest control precautions must be utilized for any openings introduced to existing facility		

Approval Signatures:

Project Manager: ____________________ **Date:**

Contractor: ____________________ **Date:**

Safety Manager: ____________________ **Date:**

Svc./Section/Program Director: ____________________ **Date:**

INFECTION CONTROL

SAFETY OFFICER

AFGE Representative

PATIENT SAFETY

GREEN ENVIRONMENTAL MANAGEMENT SYSTEMS (GEMS) COORDINATOR

EMERGENCY MANAGEMENT

VA POLICE

INFORMATION RESOURCE MANAGEMENT

INFORMATION SECURITY OFFICER

PRIVACY OFFICER

CONTRACTING OFFICER

FINAL CONSTRUCTION DOCUMENTS

Revisions: Date

CONSULTANTS:

LICENSED PROFESSIONAL ENGINEER No. 6563462-2202 TRUMAN HENARD JR. STATE OF UTAH

ARCHITECT/ENGINEERS:

TRACY STOCKING & ASSOCIATES
17 Exchange Place, Salt Lake City, UT 84111
office: (801) 463-7103, mobile: (801) 541-7538
fax: (801) 463-7966, www.tsa-usa.com
Tracy D. Stocking, AIA tracy@tsa-usa.com

SPECTRUM ENGINEERS
324 S. State St., Suite 400
Salt Lake City, UT 84111
800-678-7077
801-328-5151
fax: 801-328-5155
www.spectrum-engineers.com

Drawing Title: RISK ASSESSMENT

Approved: Project Director

Project Title: RENOVATE INFORMATION TECHNOLOGY CLOSETS

Location: VAMC - SLC, UT

Date: OCTOBER 30, 2012 | Checked: TXH | Drawn: PSS

Project Number: 660-11-113

Building Number: CAMPUS

Drawing Number: CS002

Dwg. 2 of 51

Office of Construction and Facilities Management

Department of Veterans Affairs

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